

# ABSTRACT

## Device for limiting the lateral buckling of the tensile armor plies of a flexible pipe

The device is of the type comprising a device for limiting the lateral buckling of the tensile armor plies of an underwater flexible pipe that can be used in the offshore oil industry comprising, from the outside inward, at least one external polymer sheath (1), a first retention layer (2) wound around an upper tensile armor ply (3), a lower tensile armor ply (4) and an internal polymer sheath (5), and it is distinguished in that at least one second retention layer (8) of defined stiffness  $K_2$  is wound around each lower tensile armor ply.

Applications in particular to oilfield production risers.

Figure 1